

Title (en)

Load-carrying element with flexible outer skin and its use

Title (de)

Bauteil zur Aufnahme von Kräften, mit einer flexiblen Aussenhaut und seine Verwendung

Title (fr)

Élément de support de charges avec enveloppe extérieure souple et son usage

Publication

EP 1316651 B1 20120118 (DE)

Application

EP 03005183 A 20000401

Priority

- DE 19916411 A 19990401
- EP 00250109 A 20000401

Abstract (en)

[origin: EP1040999A2] A force acting upon one side of the outer skin (12) will result in the cross-struts (11, 11a) in the wing frame (20) moving pivot the ends (22) of this skin side in the opposite direction to the applied force. The frame comprises cross-struts pivotably interlinked by connector pieces, and is hinged to the inside of the outer skin in order to form a double-convex profile.

IPC 8 full level

A47C 7/02 (2006.01); **A47C 7/46** (2006.01); **A47C 31/12** (2006.01); **B64C 3/48** (2006.01)

CPC (source: EP US)

A47C 7/44 (2013.01 - EP US); **B60N 2/68** (2013.01 - EP US); **B64C 3/48** (2013.01 - EP US); **B64D 11/06** (2013.01 - EP); **B64D 11/0647** (2014.12 - EP US)

Citation (examination)

FR 2266805 A1 19751031 - ROLLS ROYCE [GB]

Cited by

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EP 1040999 A2 20001004; **EP 1040999 A3 20020828**; **EP 1040999 B1 20101222**; AT E492467 T1 20110115; AT E541482 T1 20120215; DE 19916411 A1 20001116; DE 50016046 D1 20110203; EP 1316651 A2 20030604; EP 1316651 A3 20040102; EP 1316651 B1 20120118; EP 2327623 A1 20110601; EP 2327623 B1 20131106; ES 2361109 T3 20110614

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